# MOSFET – Power, Single N-Channel

40 V, 4.5 mΩ, 80 A

# NTMYS4D5N04C

#### **Features**

- Small Footprint (5x6 mm) for Compact Design
- Low R<sub>DS(on)</sub> to Minimize Conduction Losses
- Low Q<sub>G</sub> and Capacitance to Minimize Driver Losses
- LFPAK4 Package, Industry Standard
- These Devices are Pb-Free and are RoHS Compliant

#### **MAXIMUM RATINGS** (T<sub>J</sub> = 25°C unless otherwise noted)

Parameter			Symbol	Value	Unit
Drain-to-Source Voltage			$V_{DSS}$	40	V
Gate-to-Source Voltage	9		$V_{GS}$	20	V
Continuous Drain	Steady State	T <sub>C</sub> = 25°C	I <sub>D</sub>	80	Α
Current R <sub>θJC</sub> (Notes 1, 3)	State	T <sub>C</sub> = 100°C		56	
Power Dissipation		T <sub>C</sub> = 25°C	$P_{D}$	55	W
R <sub>θJC</sub> (Note 1)		T <sub>C</sub> = 100°C		27	
Continuous Drain	Steady	T <sub>A</sub> = 25°C	I <sub>D</sub>	20	Α
Current R <sub>θJA</sub> (Notes 1, 2, 3)	State T <sub>A</sub> = 100°C			14	
Power Dissipation	T <sub>A</sub> = 25°C T <sub>A</sub> = 100°C		$P_{D}$	3.6	W
R <sub>θJA</sub> (Notes 1 & 2)				1.8	
Pulsed Drain Current	Pulsed Drain Current $T_A = 25^{\circ}C$ , $t_p = 10 \mu s$			400	Α
Operating Junction and Storage Temperature			T <sub>J</sub> , T <sub>stg</sub>	–55 to + 175	ç
Source Current (Body Diode)			IS	45.5	Α
Single Pulse Drain-to-Source Avalanche Energy (I <sub>L(pk)</sub> = 5.22 A)			E <sub>AS</sub>	239	mJ
Lead Temperature for Soldering Purposes (1/8" from case for 10 s)			TL	260	°C

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

#### THERMAL RESISTANCE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Junction-to-Case - Steady State	$R_{\theta JC}$	2.7	°C/W
Junction-to-Ambient - Steady State (Note 2)	$R_{\theta JA}$	39	

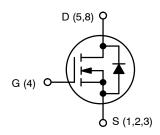
- The entire application environment impacts the thermal resistance values shown, they are not constants and are only valid for the particular conditions noted.
- 2. Surface-mounted on FR4 board using a 650 mm<sup>2</sup>, 2 oz. Cu pad.
- Maximum current for pulses as long as 1 second is higher but is dependent on pulse duration and duty cycle.



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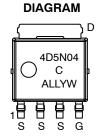
V <sub>(BR)DSS</sub>	V <sub>(BR)DSS</sub> R <sub>DS(ON)</sub> MAX	
40 V	4.5 m $\Omega$ @ 10 V	80 A



**N-CHANNEL MOSFET** 



LFPAK4 CASE 760AB



**MARKING** 

4D5N04C = Specific Device Code A = Assembly Location

 LL
 = Wafer Lot

 Y
 = Year

 W
 = Work Week

#### **ORDERING INFORMATION**

See detailed ordering, marking and shipping information in the package dimensions section on page 5 of this data sheet.

## **ELECTRICAL CHARACTERISTICS** ( $T_J = 25^{\circ}C$ unless otherwise specified)

Parameter	Symbol	Test Condition		Min	Тур	Max	Unit
OFF CHARACTERISTICS	•			•	•		
Drain-to-Source Breakdown Voltage	V <sub>(BR)DSS</sub>	$V_{GS} = 0 \text{ V}, I_D = 250 \mu\text{A}$		40			V
Drain-to-Source Breakdown Voltage Temperature Coefficient	V <sub>(BR)DSS</sub> / T <sub>J</sub>				23		mV/°C
Zero Gate Voltage Drain Current	I <sub>DSS</sub>	V <sub>GS</sub> = 0 V,	T <sub>J</sub> = 25°C			10	μΑ
		V <sub>DS</sub> = 40 V	T <sub>J</sub> = 125°C			250	
Gate-to-Source Leakage Current	I <sub>GSS</sub>	V <sub>DS</sub> = 0 V, V <sub>GS</sub>	; = 20 V			100	nA
ON CHARACTERISTICS (Note 4)							
Gate Threshold Voltage	V <sub>GS(TH)</sub>	$V_{GS} = V_{DS}, I_D$	= 50 μΑ	2.5		3.5	V
Threshold Temperature Coefficient	V <sub>GS(TH)</sub> /T <sub>J</sub>				-7.7		mV/°C
Drain-to-Source On Resistance	R <sub>DS(on)</sub>	V <sub>GS</sub> = 10 V	I <sub>D</sub> = 35 A		3.6	4.5	mΩ
Forward Transconductance	9 <sub>FS</sub>	V <sub>DS</sub> =15 V, I <sub>D</sub>	= 35 A		57		S
CHARGES, CAPACITANCES & GATE RE	SISTANCE						
Input Capacitance	C <sub>ISS</sub>				1150		pF
Output Capacitance	C <sub>OSS</sub>	V <sub>GS</sub> = 0 V, f = 1 MH	z, V <sub>DS</sub> = 25 V		600		
Reverse Transfer Capacitance	C <sub>RSS</sub>				25		
Total Gate Charge	Q <sub>G(TOT)</sub>				18		nC
Threshold Gate Charge	Q <sub>G(TH)</sub>				3.7		
Gate-to-Source Charge	Q <sub>GS</sub>	$V_{GS} = 10 \text{ V}, V_{DS} = 32 \text{ V}; I_D = 35 \text{ A}$			5.7		
Gate-to-Drain Charge	$Q_{GD}$				3.0		
Plateau Voltage	V <sub>GP</sub>				4.5		V
SWITCHING CHARACTERISTICS (Note 5	i)						
Turn-On Delay Time	t <sub>d(ON)</sub>				12		ns
Rise Time	t <sub>r</sub>	$V_{GS}$ = 10 V, $V_{DS}$ = 32 V, $I_D$ = 35 A, $R_G$ = 1 $\Omega$			80		
Turn-Off Delay Time	t <sub>d(OFF)</sub>				26		
Fall Time	t <sub>f</sub>				8.0		
DRAIN-SOURCE DIODE CHARACTERIS	TICS						
Forward Diode Voltage	$V_{SD}$	$V_{GS} = 0 \text{ V},$ $I_{S} = 35 \text{ A}$ $T_{J} = 25^{\circ}\text{C}$ $T_{J} = 125^{\circ}\text{C}$			0.82	1.2	V
					0.69		1
Reverse Recovery Time	t <sub>RR</sub>	V <sub>GS</sub> = 0 V, dls/dt = 100 A/μs, l <sub>S</sub> = 35 A			33		ns
Charge Time	ta				16		1
Discharge Time	t <sub>b</sub>				17		1
Reverse Recovery Charge	Q <sub>RR</sub>				18		nC

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions. 4. Pulse Test: pulse width  $\leq$  300  $\mu$ s, duty cycle  $\leq$  2%.

<sup>5.</sup> Switching characteristics are independent of operating junction temperatures.

#### **TYPICAL CHARACTERISTICS**

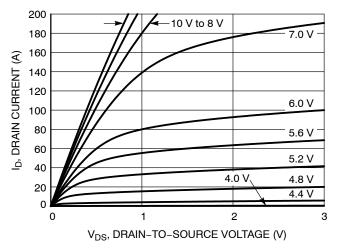


Figure 1. On-Region Characteristics

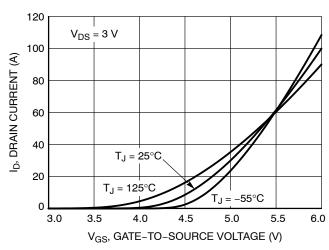


Figure 2. Transfer Characteristics

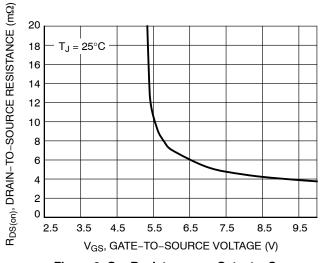


Figure 3. On-Resistance vs. Gate-to-Source Voltage

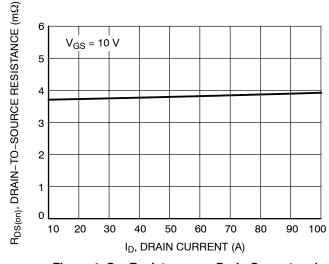


Figure 4. On-Resistance vs. Drain Current and Gate Voltage

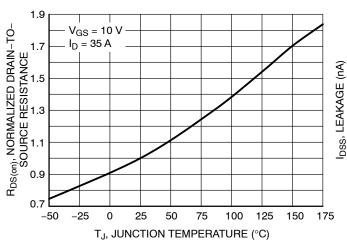


Figure 5. On–Resistance Variation with Temperature

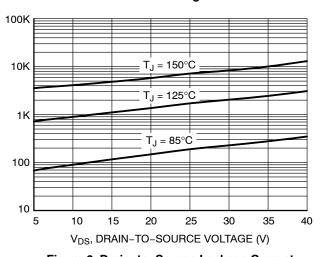


Figure 6. Drain-to-Source Leakage Current vs. Voltage

#### **TYPICAL CHARACTERISTICS**

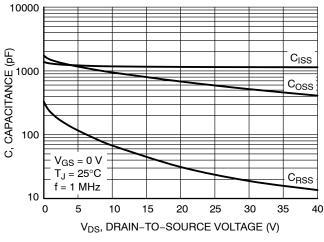


Figure 7. Capacitance Variation

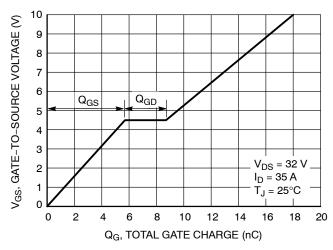


Figure 8. Gate-to-Source Voltage vs. Total Charge

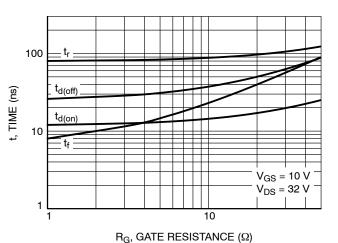


Figure 9. Resistive Switching Time Variation vs. Gate Resistance

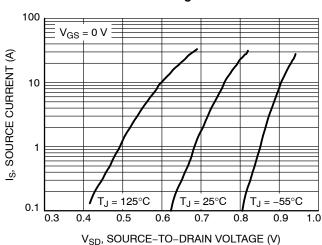


Figure 10. Diode Forward Voltage vs. Current

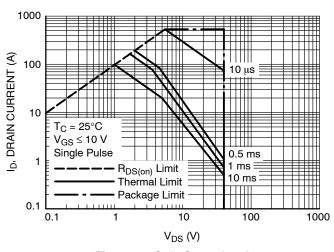


Figure 11. Safe Operating Area

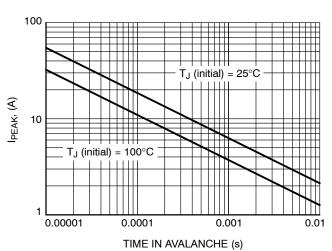


Figure 12. I<sub>PEAK</sub> vs. Time in Avalanche

#### **TYPICAL CHARACTERISTICS**

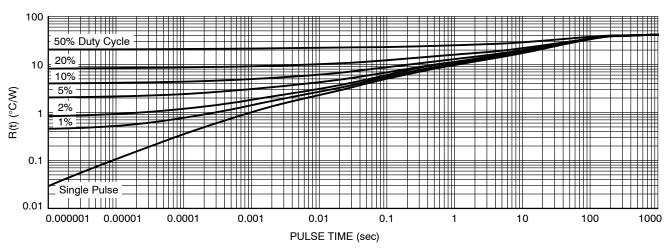


Figure 13. Thermal Characteristics

#### **DEVICE ORDERING INFORMATION**

Device	Marking	Package	Shipping <sup>†</sup>
NTMYS4D5N04CTWG	4D5N04C	LFPAK4 (Pb-Free)	3000 / Tape & Reel

<sup>†</sup>For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.

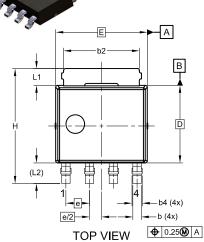


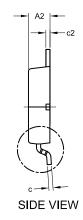
## LFPAK4 4.90x4.15x1.15MM, 1.27P CASE 760AB

ISSUE D

1.30

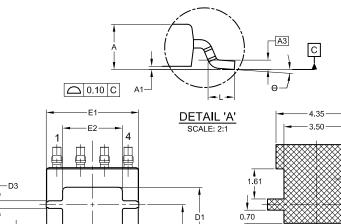
**DATE 22 MAY 2024** 





#### NOTES:

- DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
- CONTROLLING DIMENSION: MILLIMETERS.
- 3. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR BURRS. MOLD FLASH PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.150mm PER SIDE.
- 4. DIMENSIONS D AND E ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY.



D4

(D8)

-	1.61
1	0.70
	↑
,	1.15
	0.70 -   -   1.27   -
	RECOMMENDED LAND PATTERN
	*FOR ADDITIONAL INFORMATION ON OUR
	PB-FREE STRATEGY AND SOLDERING
	I B THEE OH WILLIAM GOLDLING

\*FOR ADDITIONAL INFORMATION ON OUR PB-FREE STRATEGY AND SOLDERING DETAILS, PLEASE DOWNLOAD THE ONSEMI SOLDERING AND MOUNTING TECHNIQUES REFERENCE MANUAL, SOLDERRM/D.

# GENERIC MARKING DIAGRAM\*

**BOTTOM VIEW** 

D5

D6 (D7)

XXXXXX XXXXXX AWLYW XXXXXX = Specific Device Code A = Assembly Location

WL = Wafer Lot Y = Year W = Work Week

\*This information is generic. Please refer to device data sheet for actual part marking. Some products may not follow the Generic Marking.

DIM         MIN         NOM         MAX           A         1.10         1.20         1.30           A1         0.00         0.08         0.15           A2         1.10         1.15         1.20           A3         0.25 BSC         0.50           b         0.40         0.45         0.50           b2         3.80         4.10         4.40           b4         0.45         0.55         0.65           c         0.19         0.22         0.25           c2         0.19         0.22         0.25           D         4.15 BSC         0.20         0.25           D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95 <td< th=""><th colspan="7">MILLIMETER</th></td<>	MILLIMETER						
A1       0.00       0.08       0.15         A2       1.10       1.15       1.20         A3       0.25 BSC         b       0.40       0.45       0.50         b2       3.80       4.10       4.40         b4       0.45       0.55       0.65         c       0.19       0.22       0.25         c2       0.19       0.22       0.25         D       4.15 BSC         D1       3.80       4.00       4.20         D2       3.00       3.10       3.20         D3       0.30       0.40       0.50         D4       0.90       1.00       1.10         D5       0.70       0.80       0.90         D6       0.55       0.65       0.75         D7       0.31 REF         D8       0.40 REF         E       4.90 BSC         E1       4.85       4.95       5.05         E2       3.10       3.20       3.30         E3       0.00       0.10       0.20         E4       2.00       2.10       2.20         e       1.27 BSC         e/2<	DIM MIN NOM MAX						
A2       1.10       1.15       1.20         A3       0.25 BSC         b       0.40       0.45       0.50         b2       3.80       4.10       4.40         b4       0.45       0.55       0.65         c       0.19       0.22       0.25         c2       0.19       0.22       0.25         D1       3.80       4.00       4.20         D2       3.00       3.10       3.20         D3       0.30       0.40       0.50         D4       0.90       1.00       1.10         D5       0.70       0.80       0.90         D6       0.55       0.65       0.75         D7       0.31 REF         D8       0.40 REF         E       4.90 BSC         E1       4.85       4.95       5.05         E2       3.10       3.20       3.30         E3       0.00       0.10       0.20         E4       2.00       2.10       2.20         e       1.27 BSC         e/2       0.635 BSC         e1       0.40 REF         H       6.00	Α	1.10	1.20	1.30			
A3	A1	0.00	0.08	0.15			
b         0.40         0.45         0.50           b2         3.80         4.10         4.40           b4         0.45         0.55         0.65           c         0.19         0.22         0.25           c2         0.19         0.22         0.25           D         4.15 BSC           D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           B8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF	A2	1.10	1.15	1.20			
b2       3.80       4.10       4.40         b4       0.45       0.55       0.65         c       0.19       0.22       0.25         c2       0.19       0.22       0.25         D       4.15 BSC         D1       3.80       4.00       4.20         D2       3.00       3.10       3.20         D3       0.30       0.40       0.50         D4       0.90       1.00       1.10         D5       0.70       0.80       0.90         D6       0.55       0.65       0.75         D7       0.31 REF         D8       0.40 REF         E       4.90 BSC         E1       4.85       4.95       5.05         E2       3.10       3.20       3.30         E3       0.00       0.10       0.20         E4       2.00       2.10       2.20         e       1.27 BSC         e/2       0.635 BSC         e1       0.40 REF         H       6.00       6.15       6.30         L       0.50       0.70       0.90         L1       0.80       0	Α3	(	).25 BSC				
b4         0.45         0.55         0.65           c         0.19         0.22         0.25           c2         0.19         0.22         0.25           D         4.15 BSC           D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90	b	0.40	0.45	0.50			
C         0.19         0.22         0.25           c2         0.19         0.22         0.25           D         4.15 BSC           D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00	b2	3.80	4.10	4.40			
C2         0.19         0.22         0.25           D         4.15 BSC           D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF         1.10 REF	b4		0.55				
D         4.15 BSC           D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF	C	0.19		0.25			
D1         3.80         4.00         4.20           D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF							
D2         3.00         3.10         3.20           D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF		4	4.15 BS	2			
D3         0.30         0.40         0.50           D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF	D1	3.80	4.00	4.20			
D4         0.90         1.00         1.10           D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF	D2	3.00	3.10	3.20			
D5         0.70         0.80         0.90           D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF	D3	0.30	0.40	0.50			
D6         0.55         0.65         0.75           D7         0.31 REF           D8         0.40 REF           E         4.90 BSC           E1         4.85         4.95         5.05           E2         3.10         3.20         3.30           E3         0.00         0.10         0.20           E4         2.00         2.10         2.20           e         1.27 BSC           e/2         0.635 BSC           e1         0.40 REF           H         6.00         6.15         6.30           L         0.50         0.70         0.90           L1         0.80         0.90         1.00           L2         1.10 REF	D4	0.90	1.00	1.10			
D7       0.31 REF         D8       0.40 REF         E       4.90 BSC         E1       4.85       4.95       5.05         E2       3.10       3.20       3.30         E3       0.00       0.10       0.20         E4       2.00       2.10       2.20         e       1.27 BSC         e/2       0.635 BSC         e1       0.40 REF         H       6.00       6.15       6.30         L       0.50       0.70       0.90         L1       0.80       0.90       1.00         L2       1.10 REF	D5	0.70	0.80	0.90			
D8       0.40 REF         E       4.90 BSC         E1       4.85       4.95       5.05         E2       3.10       3.20       3.30         E3       0.00       0.10       0.20         E4       2.00       2.10       2.20         e       1.27 BSC         e/2       0.635 BSC         e1       0.40 REF         H       6.00       6.15       6.30         L       0.50       0.70       0.90         L1       0.80       0.90       1.00         L2       1.10 REF	D6	0.55	0.65	0.75			
E	D7		0.31 REI	F			
E1     4.85     4.95     5.05       E2     3.10     3.20     3.30       E3     0.00     0.10     0.20       E4     2.00     2.10     2.20       e     1.27 BSC       e/2     0.635 BSC       e1     0.40 REF       H     6.00     6.15     6.30       L     0.50     0.70     0.90       L1     0.80     0.90     1.00       L2     1.10 REF	D8		0.40 REI	F			
E2       3.10       3.20       3.30         E3       0.00       0.10       0.20         E4       2.00       2.10       2.20         e       1.27 BSC         e/2       0.635 BSC         e1       0.40 REF         H       6.00       6.15       6.30         L       0.50       0.70       0.90         L1       0.80       0.90       1.00         L2       1.10 REF		4	4.90 BS	0			
E3     0.00     0.10     0.20       E4     2.00     2.10     2.20       e     1.27 BSC       e/2     0.635 BSC       e1     0.40 REF       H     6.00     6.15     6.30       L     0.50     0.70     0.90       L1     0.80     0.90     1.00       L2     1.10 REF		4.85	4.95	5.05			
E4 2.00 2.10 2.20 e 1.27 BSC e/2 0.635 BSC e1 0.40 REF H 6.00 6.15 6.30 L 0.50 0.70 0.90 L1 0.80 0.90 1.00 L2 1.10 REF	E2	3.10	3.20	3.30			
e     1.27 BSC       e/2     0.635 BSC       e1     0.40 REF       H     6.00     6.15     6.30       L     0.50     0.70     0.90       L1     0.80     0.90     1.00       L2     1.10 REF	E3	0.00					
e     1.27 BSC       e/2     0.635 BSC       e1     0.40 REF       H     6.00     6.15     6.30       L     0.50     0.70     0.90       L1     0.80     0.90     1.00       L2     1.10 REF	E4			2.20			
e1     0.40 REF       H     6.00     6.15     6.30       L     0.50     0.70     0.90       L1     0.80     0.90     1.00       L2     1.10 REF	е	1.27 BSC					
H 6.00 6.15 6.30 L 0.50 0.70 0.90 L1 0.80 0.90 1.00 L2 1.10 REF	e/2						
L 0.50 0.70 0.90 L1 0.80 0.90 1.00 L2 1.10 REF							
L1 0.80 0.90 1.00 L2 1.10 REF							
L2 1.10 REF	L						
L2       1.10 REF         Θ       0°       4°       8°	L1						
Θ 0° 4° 8°		1.10 REF					
	θ	0°	4°	8°			

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