

TMC P/N	OPERATING RANGE
NW180-1	-10°C TO 60 °C
-2	-10°C TO 60 °C
-3	-10°C TO 60 °C

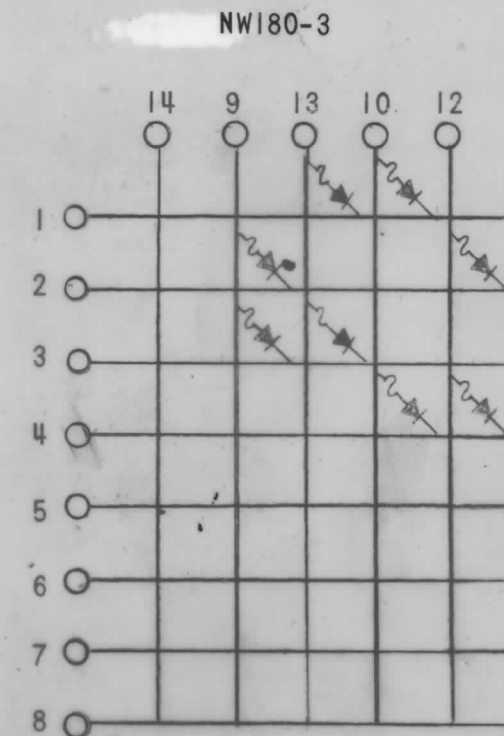
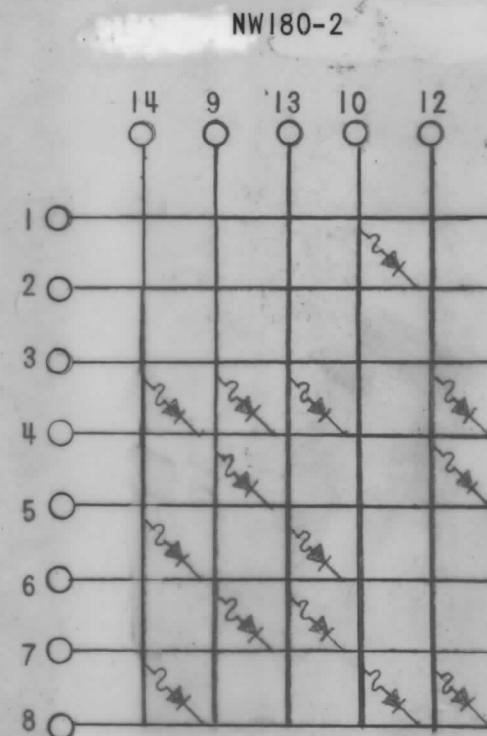
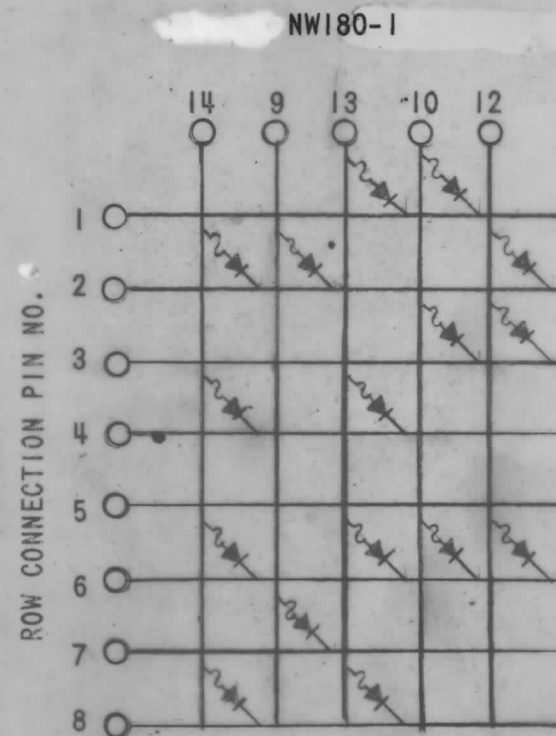
SPECIFICATIONS :

1. OPERATING RANGE: SEE CHART
2. CASE TYPE = 14 PIN DUAL IN-LINE FLAT PACK
3. TOTAL POWER DISSIPATION (FREE AIR) = 450 MILLIWATTS
DERATE ABOVE 25°C @ 3 MW/°C
4. MAXIMUM FORWARD CURRENT = 200 MA. (POWER DISSIPATION LIMITED).
5. MAXIMUM SURGE CURRENT = 500 MA FOR 1 MILLISECOND.
6. REVERSE BREAKDOWN VOLTAGE = 20 VOLTS MINIMUM @ 100µA
7. FORWARD VOLTAGE = 1.3 VOLTS MAXIMUM @ 20 MILLIAMPS.
8. REVERSE LEAKAGE = 0.1 µA MAXIMUM @ 15 VOLTS
9. MAXIMUM OPERATING TEMPERATURE RANGE = -55°C TO +125°C
10. MAXIMUM STORAGE TEMPERATURE RANGE = -65°C TO + 150°C

REVISIONS							
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO.	DRAFT	CHKD	APPD
	X	EXPERIMENTAL RELEASE	3/23/70		CV		
	Ø	ORIG RELEASE FOR PROD	3/23/70		CV		
	A	SPEC. # 3 THRU #10 ADD	5/8/70	19847	KL	<i>MFB</i>	

TRUTH TABLE

1	2	3	4	5	DIG	8	4	2	1
16.0	17.0	3	0	0	0	0	0	0	0
16.1	16.9	4	1	0	0	0	0	0	1
16.2	16.8	5	2	0	0	0	1	0	0
16.3	16.7	6	3	0	0	1	1	1	1
16.4	16.6	3	4	0	1	0	0	0	0
16.5	16.5	4	5	0	1	0	1	0	1
16.6	16.4	5	6	0	1	1	1	0	0
16.7	16.3	6	7	0	1	1	1	1	1
16.8	16.2	3	8	1	0	0	0	0	0
16.9	16.1	4	9	1	0	0	1	0	1



HFSR-4		
QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE	S 401 - 512	
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED MECH. DES. OR PLATED FINISHES		FINAL APPROVAL	DATE
DECIMALS	FRACTIONS	<i>[Signature]</i>	3/23/70
.X ± .05	1/64	ELECT. DES.	DATE
.XX ± .01	TOLS. ANGLES	CHECKED	DATE
.XXX ± .005	0° - 30'	<i>[Signature]</i>	3/23/70
MATERIAL	FINISH	DRAWN	DATE
		<i>[Signature]</i>	3/23/70

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
DIODE, LOGIC, MATRIX				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
B	82679	NW 180	A	
SCALE	SHEET		OF	