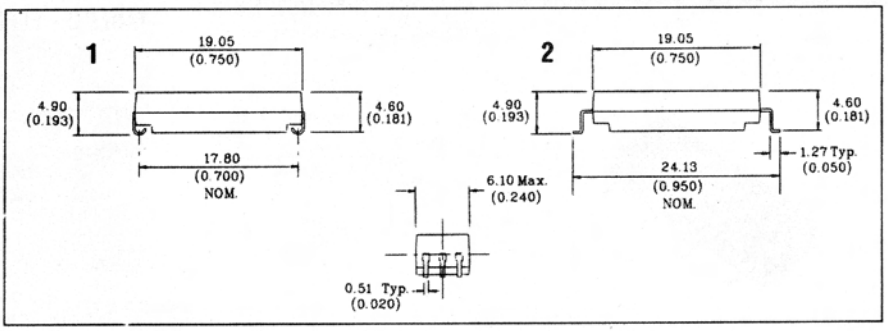
HE 3800 SERIES

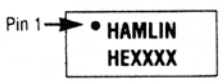
GULLWING

TABLE 1 – DIMENSIONS NOTE: Max. unless indicated otherwise.



MINIATURE REED RELAYS

- Maximum soldering temperature 340°C
- Low profile
- Form A 10 Watt dry contact
- All standard coil voltages



Pin identification

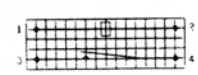
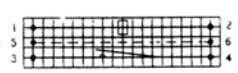
MOUNTING

Vapor Phase, 225°C	
Infra Red, 340°C element temperature	20 min.
Wave Soldering, 260°C,	Preheat at 150°C
single wave, broadside only	
Zone Convection re-flow, 260°C	

TABLE 2 – ELECTRICAL AND OPERATING CHARACTERISTICS

Characteristics	Units	Form A Dry Reed Standard
CONTACT RATINGS		
Power, Switching	Watts, Maximum	10
Voltage, Switching	Vdc, Maximum	200
Current, Switching	Amperes, Maximum	0.5
Current, Carry	Amperes, Maximum	1.0
CONTACT RESISTANCE		
Initial	Ohms, Maximum	0.200
Operating Temperature	Degrees, Celsius	-40 to +85
Storage Temperature	Degrees, Celsius	-40 to +105
Mounting Position	Degrees from Vertical	Any
Vibration Resistance	G's, Max.,10-2000 Hz	20
Shock Resistance	G's, Max., 11ms 1/2 sin	50
INSULATION RESISTANCE		
Across Open Contacts	Ohms, Typical	10^{10}
Isolated Terminals		10^{10}
LIFE EXPECTANCY		
TIMING		
Operate Time	ms, Max., Incl. Bounce	1.0
Release Time	ms, Max. Diode Suppressed	1.0
VOLTAGE HOLD-OFF		
Across Open Contacts	Vdc, Minimum	250
Coil to Contacts	Vac, Minimum	500
With Coaxial Screen:		
Coil to Contacts	Vac, Minimum	500
Screen to Coil/Contacts	Vac, Minimum	500

TABLE 3 – RELAY DESCRIPTION AND COIL CHARACTERISTICS

Contact Form & Type	Operating Data See Table 2 (Column)	Dimensions See Table 1	Part Number	Nominal Coil Voltage Vdc	Coil Resistance ±10% @ 25°C Ohms	Must Operate Vdc @ 25°C	Must Release Vdc @ 25°C	Maximum Coil Voltage Vdc @ 25°C	Special Features	Top View 1,27 mm, 0.05 in. Grid (Numbers Do Not Appear On Relay)
1A SPST-NO J-Mount	1	1	HE3821A0500	5	150	3.75	0.5	12		
			HE3821A1200	12	750	8.0	1.0	27		
			HE3821A2400	24	1500	16.0	2.0	38		
1A SPST-NO Gull Wing	1	2	HE3821A0501	5	150	3.75	0.5	12		
			HE3821A1201	12	750	8.0	1.0	27		
			HE3821A2401	24	1500	16.0	2.0	38		
1A SPST-NO J-Mount	1	1	HE3821A0520	5	150	3.75	0.5	12	COAXIAL	
			HE3821A1220	12	750	8.0	1.0	27		
			HE3821A2420	24	1500	16.0	2.0	38		
1A SPST-NO Gull Wing	1	2	HE3821A0521	5	150	3.75	0.5	12	COAXIAL	
			HE3821A1221	12	750	8.0	1.0	27		
			HE3821A2421	24	1500	16.0	2.0	38		

Notes HE3800: 1) Optional mounting types. radial, axial. 2) Standard packaging tape and reel minimum. 80 piece tube. 1200 piece tape & reel. 3) Pin 1& 3 spacing is typical for both versions. 4) To identify Pack Type add suffix (T) for Tube, or (R) for Reel.