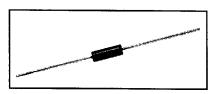
MODEL HN Metal Film Resistors

Military/Established Reliability MIL-R-39017 Qualified, Type RLR, Semi-Precision

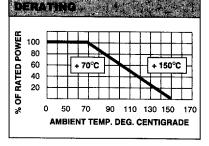




FEATURES

- "S" level failure rate
- High purity copper leads in accordance with MIL-STD-1276. Two solder finishes are available, electroplated 60/40 solder and hot dipped 60/40 solder.
- Blue epoxy insulation over polyimide varnish provides superior moisture resistance properties

STANDARD ELECTRICAL SPECIFICATIONS						
DALE MODEL	MIL-R-39017 TYPE	WATTAGE RATING @ + 70°C	VOLTAGE RATING	RESISTANCE RANGE (Ohms)	STANDARD * TOLERANCE	TEMPERATURE COEFFICIENT PPM/°C
HN3	RLR05C	1/8	200	4.7 - 300k	± 1%, ± 2%, ± 5%	100
HN4	RLR07C	1/4	250	10 - 1M	± 1%, ± 2%, ± 5%	100
HN5	RLR20C	1/2	350	10 - 1M	± 1%, ± 2%, ± 5%	100
HN6	RLR32C	1	500	10 - 1M	± 1%, ± 2%, ± 5%	100



^{* + 5%} tolerance is inactive for new decign

MARINE 3		NFIGURATIONS cate millimeters]	The state of the s			
	A 1.50 ± .125 [38.10 ± 3.18] →					
DALE MODEL	MIL-R-39017 TYPE	A	В	D		
НИЗ	RLR05C	.145 ± .015 [3.68 ± .381]	.066 ± .008 [1.68 ± .203]	.016 [.406		
HN4	RLR07C	.235 ± .020 [5.97 ± .508]	.090 ± .008 [2.29 ± .203]	.025 [.635		
HN5	RLR20C	.375 + .025040 [9.53 + .635 - 1.02]	.135 + .020005 [3.43 + .508127]	.032 [.813]		

		[14.22 ± .762]	
* Leads are	e 1.25" ± .265" [31.75mm ± 6.73mm] l	ong.

ENVIRONMENTAL PE	RECENT	MCE -	the contract	
	MAXIMUM AR			
TEST	HN3/ RLR05C	HN4/ RLR07C	HN5/ RLR20C	HN6/ RLR32C
Power Conditioning	± 0.50%	± 0.50%	± 0.50%	± 0.50%
Thermal Shock	± 0.25%	± 0.25%	± 0.25%	± 0.25%
Short Time Overload	± 0.50%	± 0.50%	± 0.25%	± 0.25%
Low Temperature Storage	± 0.10%	± 0.10%	± 0.10%	± 0.25%
Low Temperature Operation	± 0.10%	± 0.10%	± 0.10%	± 0.25%
Moisture Resistance	± 0.50%	± 0.50%	± 0.50%	± 0.50%
Shock & Vibration	± 0.05%	± 0.05%	± 0.05%	± 0.10%
Load Life (2000 hours Mil rating)	± 1.0%	± 1.0%	± 1.0%	± 2.0%
Terminal Strength	± 0.05%	± 0.05%	± 0.05%	± 0.10%
Dielectric Withholding Voltage	± 0.05%	± 0.05%	± 0.05%	± 0.10%
Effect Solder Heat	± 0.10%	± 0.10%	± 0.10%	± 0.10%

PART MARKING

- Year, week of year, lot code Coded resistance value
- Tolerance, FR, JAN,
- manufacturer symbol

RLR07

- Year, week of year, lot code, JAN
- Model, lead material
- Coded resistance value*, tolerance
- FR, manufacturer symbol

RLR20 & RLR32

- Year, week of year, lot code, JAN
- Model, lead material
- Coded resistance value*, tolerance, FR
- Source code
- Dale

^{* ± 5%} tolerance parts are marked with 3 digit resistance value code, e.g. 103. ± 2% tolerance parts are marked with 4 digit code but may be special ordered with 3 digit code. All \pm 5% parts and \pm 2% parts with 3 digit coding are inactive for new design.

