



SPECIFICATIONS & DATA SHEET

Model 1781M1 Ferrite Core & 1781M2 Planar Core Tags



Physical:	Dimensions:	3.50" x 0.90" x 0.80" 0.20" Mounting Holes	88.9mm x 22.86mm x 20.32mm 5.08mm
	Weight:	1.4 ounces	41 grams
	Material:	Housing - Dupont Rynite FR-530 30% Glass Reinforced Polyethylene Terephthalate UL94V-0.	Epoxy: 2 Part Compound
	Color:	Housing - Black	Epoxy - Black

Electrical:	Operating frequency:	LF (low frequency) 125KHz & 148 KHz	Passive (no battery)
	Read Range (Reader dependent):	Up to 14"	Up to 35.56cm

Memory:	RO (Read Only):	10 hex characters
	RW (Read/Write):	8, 16 or 32 ASCII characters (256 bits) 48 hex characters (256 bits) 2K bit RW options also available

Mechanical:	Ingress Protection	IP68
	Vibration:	IEC 68.2.6
	Shock:	IEC 68.2.27

Thermal:	Storage:	-40°c to +150°c (-40°F to +302°F)	Indefinite
	Operating:	-40°c to +200°c (-40°F to +185°F)	Indefinite

Part numbers:	Model:	Part Number 148 KHz:	Part Number 125 KHz:
	1781M1 (ferrite)	800-0015-02	800-0015-04
	1781M2 (planar)	800-0015-03	800-0015-05





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