



**1210 Inductor Chips
PM20 Series**

Features:

- Molded construction for high reliability
- Superior environmental protection
- Large terminal surface for strong PCB bonding
- Current to case 20°C maximum temperature rise

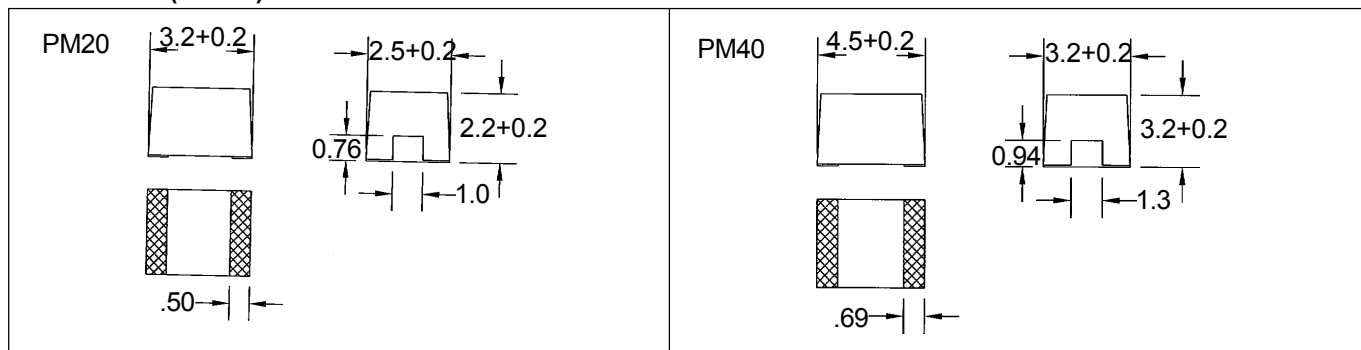
Electrical Characteristics

Dielectric Strength: 100 Vrms
Insulation Resistance: 100MΩ 100VDC, 30 sec.

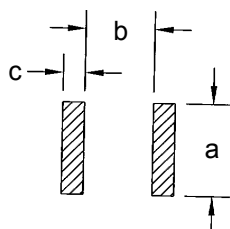
Physical Characteristics

Operating Temperature: -55°C to +125°C.
Soldering heat resistance: 250°C for 5 seconds.
Solderability: Preheat condition: 120°C for 4 minutes.
Solder temperature: 230°C.
Dwell time: 4 seconds.
At least 95% of electrode (terminal) shall be covered by solder.
Terminal strength: 3 lbs. pull test.
Resistance to solvents: Conforms to MIL-STD-202E.
Marking: Inductance value on part.

Dimensions (in mm)



Land Pattern



Type (mm)	a	b	c
PM20	3.0	2.0	1.0
PM40	4.0	3.0	1.5

The PM20 Series is stocked on reels of 2000 per reel. The PM40 series is stocked on reels of 500 per reel. Less than full quantities will be on tape as cut from the reel or, upon request, as a partial reel. For larger quantity pricing, contact GARRETT ELECTRONICS CORP.

Specifications

Ordering Code	Inductance μH	Inductance Tolerance (%)	Quality Factor (min)	Test Freq. Mhz	SRF MHz (min)	DCR Ω (max)	I, DC (mA)	
PM20-R010M	0.010	20	15	100	2500	0.13	450	
PM20-R012M	0.012		17		2300	0.14		
PM20-R015M	0.015		19		2100	0.16		
PM20-R018M	0.018		21		1900	0.18		
PM20-R022M	0.022		23		1700	0.20		
PM20-R027M	0.027				1500	0.22		
PM20-R033M	0.033		25		1400	0.24		
PM20-R039M	0.039				1300	0.27		
PM20-R047M	0.047		26		1200	0.30		
PM20-R056M	0.056				1100	0.33		
PM20-R068M	0.068		27		1000	0.36		
PM20-R082M	0.082				900	0.40		
PM20-R10M	0.10		28	700	0.44			
PM20-R12M	0.12			25.2	500	0.22		
PM20-R15M	0.15				450	0.26		
PM20-R18M	0.18				400	0.28		
PM20-R22M	0.22				350	0.32		
PM20-R27M	0.27				320	0.36		
PM20-R33M	0.33				300	0.40		
PM20-R39M	0.39				250	0.45		
PM20-R47M	0.47				220	0.50		
PM20-R56M	0.56				180	0.55		
PM20-R68M	0.68				160	0.60		
PM20-R82M	0.82				140	0.65		
PM20-1R0K	1.0	10	30		7.96	120	0.70	400
PM20-1R2K	1.2			100		0.75	390	
PM20-1R5K	1.5			85		0.85	370	
PM20-1R8K	1.8			80		0.90	350	
PM20-2R2K	2.2			7.96		75	1.0	320
PM20-2R7K	2.7					70	1.1	290
PM20-3R3K	3.3					60	1.2	260
PM20-3R9K	3.9					55	1.3	250
PM20-4R7K	4.7					50	1.7	220
PM20-5R6K	5.6					47	1.8	200
PM20-6R8K	6.8					43	2.0	180
PM20-8R2K	8.2					40	2.3	170
PM20-100K	10		2.52		36	2.5	150	
PM20-120K	12				33	2.8	140	
PM20-150K	15				30	3.2	130	
PM20-180K	18				27	3.6	120	
PM20-220K	22			25	4.0	110		
PM20-270K	27			20	5.0	80		
PM20-330K	33			17	5.6	70		
PM20-390K	39			16	6.4	65		
PM20-470K	47			15	7.0	60		
PM20-560K	56			13	8.0	55		
PM20-680K	68			12	9.0	50		
PM20-820K	82			11	10	45		
PM20-101K	100		40					
PM20-121K	120		20	0.796	10	11	70	
PM20-151K	150				8	15	65	
PM20-181K	180				7	17	60	
PM20-221K	220					21	50	