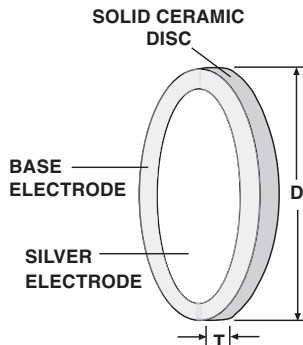


PTCR Motor Start Pellets

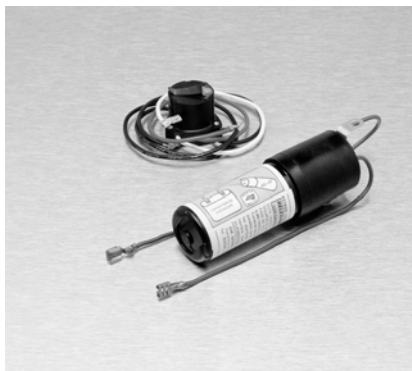


Vishay Cera-Mite offers a complete line of PTCR motor start pellets designed for OEM pressure contact mounting. Compressor and refrigerator manufacturers, as well as selected HVAC aftermarket distributors have chosen to design and build their own proprietary motor start devices. Such cost effective units allow for unique mounting styles, special terminal arrangements, and combination devices including start capacitors or overload protectors.

FOR USE IN :



Motor Start Relays



Combination Assemblies

APPLICATION DATA

- Complete range of size/resistance combinations for 120 and 240 volt compressor motors
- Rugged silver electrodes well suited for long life pressure contact mounting
- Withstand voltage is 2 times Voltage Max. rating
- Application engineering assistance provided for custom pellet designs

PTCR MOTOR START PELLETS					
RESISTANCE		VOLTAGE MAX. (V _{RMS})	CURRENT MAX. (A _{RMS})	DIAMETER (D) x THICKNESS (T) (mm)	PART NUMBER
R ₂₅ (Ω)	R _{DYN} (Ω)				
5	4	200	10	16 x 2.5	307C1674*
5.5	4.2	180	12	16 x 2.5	307C1670
6.8	5	200	10	16 x 2.5	307C1700*
8	5.8	150	10	16 x 2.5	307C1280
10	7.2	200	10	16 x 2.5	307C1711*
10	7.2	200	10	16 x 2.5	307C1713
20	13.5	250	7.5	16 x 2.5	307C1490
47	30	300	6.5	16 x 2.5	307C1136
68	42	300	5.5	16 x 2.5	307C1043
4	3.2	180	15	17.5 x 2.5	307C1614
5	4	180	12	17.5 x 2.5	307C1668
6.8	5	200	10	17.5 x 2.5	307C1644
10	7.2	200	10	17.5 x 2.5	307C1651
15	10.5	265	6	17.5 x 2.5	307C1190
20	13	320	8	17.5 x 2.5	307C1720
25	17	300	7.5	17.5 x 2.5	307C1066
33	22	300	6.5	17.5 x 2.5	307C1040
47	30	350	4	17.5 x 2.5	307C1284
68	42	400	4	17.5 x 2.5	307C1283
3.3	2.6	160	12	20 x 2.5	307C1411
4.7	3.5	180	12	20 x 2.5	307C1484
5.6	4.1	180	12	20 x 2.5	307C1544
6.8	5	200	10	20 x 2.5	307C1399
10	7.2	230	9	20 x 2.5	307C1489
12	8.5	250	8.5	20 x 2.5	307C1476
15	10.5	300	8	20 x 2.5	307C1530
22	15	400	8	20 x 2.5	307C1531
33	22	355	6	20 x 2.5	307C1282
47	30	400	5	20 x 2.5	307C1533
68	42	430	4	20 x 2.5	307C1292
3.9	3 (at 50 V)	175	16	20 x 3.2	307C1487
12	10.3 (at 100 V)	350	8	20 x 3.2	307C1529
14	12 (at 100 V)	350	8	20 x 3.2	307C1545
30	15.9 (at 240 V)	380	12	20 x 3.2	307C1640
25	18 (at 240 V)	400	9	20 x 5.0	307C1518
38	25 (at 240 V)	400	9	20 x 5.0	307C1024
50	35 (at 240 V)	400	7.5	20 x 5.0	307C1409
75	50 (at 240 V)	400	5.5	20 x 5.0	307C1410

R₂₅ = zero power resistance ± 30 % at 25 °C; other tolerances available

R_{DYN} = nominal dynamic (effective) resistance, 120 V applied unless otherwise noted

* High performance ceramic formulation, lower transition temperature provides reduced power consumption for energy conscious applications

Notes

- All motor start pellets receive 100 % resistance and 100 % voltage pulse burn-in simulating actual motor start-up
- Selected pellets carry UL recognition per File E107611
- Usage requires packaging materials appropriate for maximum pellet surface temperature of 180 °C
- All 307C Motor Start Pellets are RoHS compliant e4



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