

Solder Mounted Pi Circuit Filters

TPS

Ordering Information e.g TPS014A <input type="checkbox"/> Blank - No special conditioning Bu - Standard burn in Bx - Burn in to Cust. req.	Insulation Resistance <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Rated Voltage at 85°C</th> <th>Test Voltage</th> <th>I.R.</th> </tr> <tr> <td>< 100 V d.c.</td> <td>10 ± 1 V d.c.</td> <td rowspan="3">> 5GΩ</td> </tr> <tr> <td>≥ 100 to < 500 V d.c.</td> <td>100 ± 15 V d.c.</td> </tr> <tr> <td>≥ 500</td> <td>500 ± 50 V d.c.</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Tangent of loss angle (Tan δ)</td> <td>0.04 max.</td> </tr> <tr> <td>Finish</td> <td>Tin</td> </tr> </table>	Rated Voltage at 85°C	Test Voltage	I.R.	< 100 V d.c.	10 ± 1 V d.c.	> 5GΩ	≥ 100 to < 500 V d.c.	100 ± 15 V d.c.	≥ 500	500 ± 50 V d.c.	Tangent of loss angle (Tan δ)	0.04 max.	Finish	Tin	Circuit Diagram
Rated Voltage at 85°C	Test Voltage	I.R.														
< 100 V d.c.	10 ± 1 V d.c.	> 5GΩ														
≥ 100 to < 500 V d.c.	100 ± 15 V d.c.															
≥ 500	500 ± 50 V d.c.															
Tangent of loss angle (Tan δ)	0.04 max.															
Finish	Tin															
Environmental Classification 55/125/56 Case Dimensions All dimensions in millimetres. Maximum unless otherwise stated.		For Test Conditions see page 63														

Characteristics

Case Type	Part Number	Min Cap. (pF)	Rated Voltage V d.c.		Current d.c. (A)	Minimum No Load Insertion Loss (dB) at 25°C			
			85°C	125°C		10 MHz	100 MHz	1 GHz	10 GHz
	TPS051A	1500	350	210	10	6	45	60	60
	TPS051B	5000	200	120	10	15	65	70	70
* TPS103/203 No Pin Head ** TPS203 25 ± 0.75 	TPS003A	1500	600	360	10	5	45	70	70
	TPS103A	1500	600	360	10	5	45	70	70
	TPS003B	4000	350	210	10	15	65	70	70
	TPS103B	4000	350	210	10	15	65	70	70
* TPS114 - No Pin Head 	TPS014A	1750	350	210	10	5	50	60	60
	TPS114A	1750	350	210	10	5	50	60	60
	TPS014B	800	600	360	10	3	30	60	60
	TPS114B	800	600	360	10	3	30	60	60
	TPS014C	1750	350	210	10	5	35	50	50
	TPS014D	800	600	360	10	3	23	50	50
	TPS023A	3000	200	120	15	7	50	65	60
	TPS023B	1500	350	210	15	5	25	60	60
	TPS004A	3000	830	500	25	8	50	70	70
	TPS104A	3000	830	500	25	8	50	70	70
	TPS204A	3000	830	500	25	8	50	70	70
	TPS004B	2000	1000	600	25	5	50	65	65
	TPS104B	2000	1000	600	25	5	50	65	65
* TPS104/204 - No Lead Forming TPS204 - Lead Lengths ±30 Min and ±36.5 Min 	TPS017A	3000	350	210	10	8	55	65	65