

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS7045

SMD Shielded type

UNIT : mm

TYPE SPS7045

For Reflow Soldering

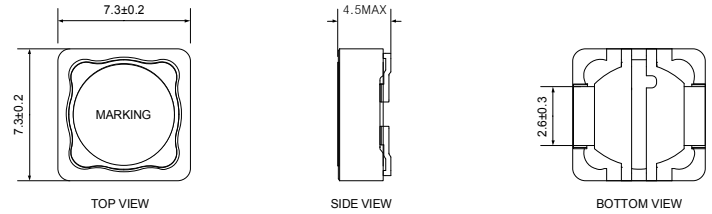
Frequency Range: 1kHz ~5MHz

Inductance Range: 1.2 ~ 2,200uH

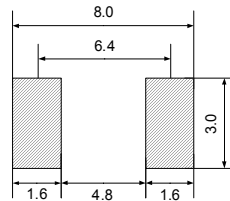
Features

- *Low profile (4.5mm high)
- *Suitable for reflow soldering
- *Available on tape and reel for automatic insertion

Dimensions



Recommended PCB Pattern



Electrical Characteristics

Ordering code	Inductance range (μH)	DCR(mΩ±30%)	Rated current		Marking
			(A _{r,max})		
SPS7045-1R2N	1.2±30%	18	8.0		1R2
SPS7045-1R8N	1.8±30%	20	6.0		1R8
SPS7045-2R2N	2.2±30%	22	5.0		2R2
SPS7045-3R3N	3.3±30%	25	4.5		3R3
SPS7045-4R7M	4.7±20%	32	3.7		4R7
SPS7045-5R6M	5.6±20%	34	3.4		5R6
SPS7045-6R8M	6.8±20%	38	3.1		6R8
SPS7045-8R2M	8.2±20%	42	3.0		8R2
SPS7045-100M	10±20%	48	2.7		100
SPS7045-120M	12±20%	58	2.5		120
SPS7045-150M	15±20%	64	2.1		150
SPS7045-220M	22±20%	95	1.9		220
SPS7045-270M	27±20%	110	1.7		270
SPS7045-330M	33±20%	130	1.5		330
SPS7045-470M	47±20%	180	1.2		470
SPS7045-560M	56±20%	215	1.1		560
SPS7045-680M	68±20%	288	1.0		680
SPS7045-820M	82±20%	316	0.90		820
SPS7045-101M	100±20%	395	0.80		101
SPS7045-221M	220±20%	740	0.60		221
SPS7045-471M	470±20%	1.4Ω	0.40		471
SPS7045-681M	680±20%	2.3Ω	0.30		681
SPS7045-222M	2,200±20%	8.3Ω	0.15		222

Standard Parts selection Guide

*Inductance : Agilent 4285A (100kHz, 1.0V)

*DCR Meter : ABM3245 (20mΩ~2MΩ)

*Bias Current : Agilent 4285A + Agilent 42841A

*Inductance drop = 30% at rated current / criterion(measure of time) : within 3 seconds

Note: can purchase customizing type, please contact us.