

Product Search Data Sheet

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Please download the latest datasheet of MYSGK02506BRSR from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=MYSGK02506BRSR

MYSGK02506BRSR

9.6V to 42V input voltage, 6A, Buck Converter with 85degC Ta



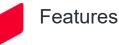


Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific	Consumer equipment,Industrial	
	Equipment	
	Please refer to Our Website and	
	specifications, etc. for information about	
	the performance, functions, quality,	
Applications	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	
Recommended	Industrial Equipment	
Applications	Industrial Equipment	

Appearance & Shape



Vino	Vin Vo
C1-4,C11	: Ceramic capacitor 4.7uE/50V (GRM31CR71H475KA12L : MURATA)
C12	: Conductive Polymer Hybrid Aluminum Electrolytic Capacitor 68uF/35V (HHXB350ARA680MF80G @6.3×L7.7 : NIPPON CHEMI-CON)



Input voltage ranges from 9.6 to 42V Absolute maximum input voltage: 50V Settable output voltage from 5 to 25V Up to 6 A of output current Small package, 14.7 x 16.3 x 7.5mm Short Circuit protection, Non-latching Enable control Settable UVLO

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Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





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Specifications

lout(A)Max	6A
Vin(V)	9.6V to 42V
Vin(V)typ	24V
Vout(V)	5V to 25V
Vout(V)typ	12V
LineRegulation (%)	-2% to 2%
LoadRegulation (%)	-2% to 2%
Outputs (#)	1
Efficiency (%)	98%
Switching frequency (kHz)	380kHz
Size(mm)W	14.7mm
Size(mm)L	16.3mm
Size(mm)T	7.5mm
Operatingtemperature(degC)	-40°C to 85°C
Circuit topology	Buck(Step-down)
Package	SMD
Туре	Modules (integrated components)
Productseries	MYSGK
Product Series Features	MYSGK series which is POL (Point of Load) is single output MonoBK.
Brand	Murata

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