

**DIMENSIONS (mm)**

Pins: Ø0.65 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned

**LAYOUT**  
pitch 2.54 mm/Top view

**MARKING**

MEDER-Label  
 Type/Layout  
 Production code,  
 EN60062/Factory code

**Test Circuit**

Reed Relay

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		315	350	385	Ohm
Coil voltage			5	8	VDC
Rated power			72		mW
Pull-In voltage				3,8	VDC
Drop-Out voltage		0,4			VDC

Contact data 46	Conditions	Min	Typ	Max	Unit
Contact rating	combination of switching voltage and current not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			200	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			1,5	A
Contact resistance static	Measured with 40% overdrive Start Value			100	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1.000			GOhm
Breakdown voltage	according to IEC 255-5	350			VDC
Operate time incl. bounce	measured with 40% overdrive			0,75	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,2		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts			2		
Thermal Offset Voltage				1	µV
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Housing material				Metal	
Sealing compound				Polyurethan	
Connection pins				cu-alloy tinned	
RoHS conformity				yes	

Environmental data	Conditions	Min	Typ	Max	Unit



*Products for tomorrow...*

Europe: +49 / 7731 8399 0 | Email: info@meder.com  
USA: +1 / 508 295 0771 | Email: salesusa@meder.com  
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:  
**8805246800**  
Item:  
**BTS05-2A46**

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		85	°C
Storage temperature		-35		100	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Packaging					

Modifications in the sense of technical progress are reserved

Designed at: 23.06.08    Designed by: WKOVACS  
Last Change at: 19.09.11    Last Change by: CRUF

Approval at: 21.10.08    Approval by: KOLBRICH  
Approval at: 19.09.11    Approval by: CRUF

Version: 06