

PTS 530 Series

Ultra Low Profile SMT Top Actuated

Features/Benefits

- 4.5 x 4.5 mm footprint
- 0.55 mm thickness
- High number of cycles
- Symbol line identification

Typical Applications

- MP3 accessories
- Bluetooth headset
- Remote controls
- Garage door opener



Specifications

FUNCTION: momentary action
CONTACT ARRANGEMENT: 1 make contact = SPST N.O.
TERMINALS: Gullwing for SMT
TRAVEL: 0.2mm - 0.1 /+ 0.15mm

Part Number	Operating Force (gf)	Operating Life (operations)
PTS530 GN055 SMTR LFS	100 ± 30	1,000,000
PTS530 GM055 SMTR LFS	160 ± 30	1,000,000
PTS530 GH055 SMTR LFS	200 ± 30	200,000
PTS530 GK055 SMTR LFS	260 ± 30	200,000
PTS530 GG065 SMTR LFS	400 ± 70	300,000
PTS530 GS065 SMTR LFS	600 - 50/+100	150,000

Electrical

MAXIMUM VOLTAGE:	12 VDC
MAXIMUM CURRENT DC:	50 mA
DIELECTRIC STRENGTH:	250 VA C (1mn)
CONTACT RESISTANCE:	≤ 100 mΩ
INSULATION RESISTANCE:	≥ 100 MΩ
BOUNCE TIME:	≤ 10 ms

Environmental

OPERATING TEMPERATURE: -40°C to 85°C

Process

SOLDERING: This component is suited to the following methods:
Infrared Reflow Soldering in accordance with IEC61760-1

Packaging

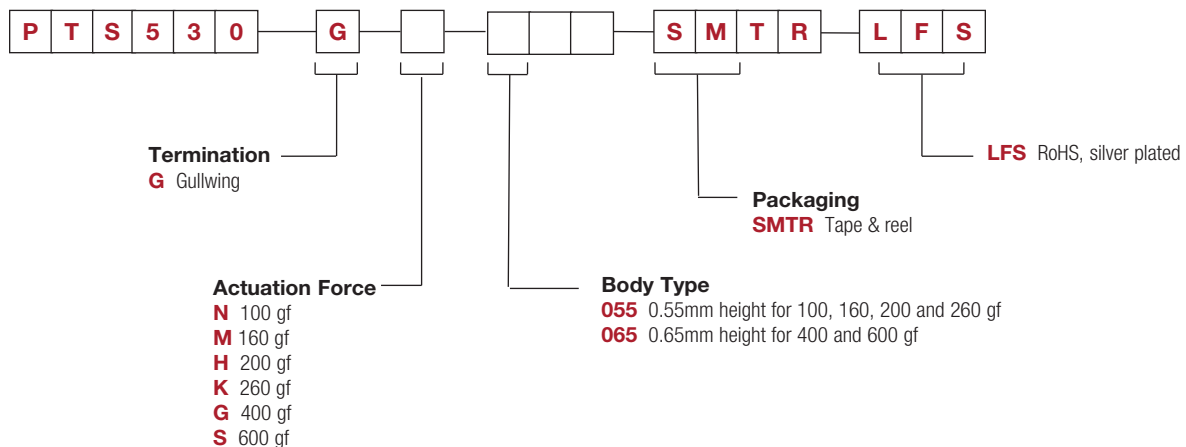
Switches in reels of 7,000 pieces.
Dimensions of reels according to EIA 481B
External diameter 330 mm

NOTE: Specifications listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

How To Order

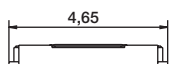
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

For any part number different from those listed above, please consult your local representative.

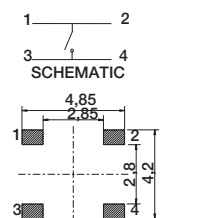
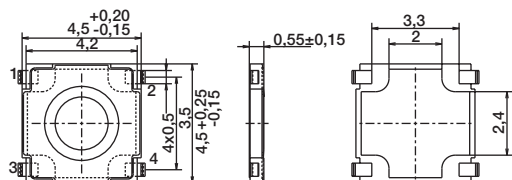


Tactile Switches

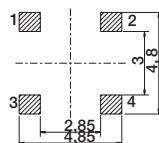
G GULLWING



055 0,55 MM HEIGHT

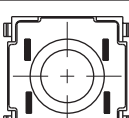
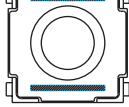


ALTERNATIVE PCB LAYOUT



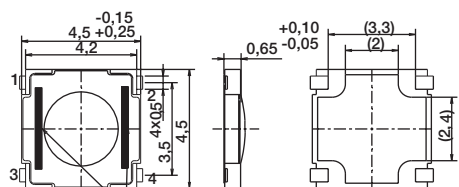
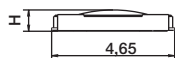
RECOMMENDED PCB LAYOUT



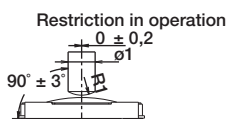
N: 100 gf	
M: 160 gf	No Lines
H: 200 gf	
K: 260 gf	

065 0,65 MM HEIGHT

PART NUMBER	HEIGHT	+0.1 -0.05
PTS 530 GS 065 SMTR LFS	0.72	
PTS 530 GG 065 SMTR LFS	0.68	



—Force symbol lines for 600 gf
No symbol line for 400 gf



Restriction in operation

G: 400 gf	No Lines
S: 600 gf	

Technical drawing of a reel of carrier tape for SMD components. The drawing includes a side view of the carrier tape with dimensions: 9.3mm height, 12±0.3mm width, 8mm pitch, 1.5mm hole diameter, 4mm hole spacing, 1.75mm hole depth, and 5.5mm hole diameter. It also shows a top view of the reel with a 330mm diameter and a detail view of the reel's edge with dimensions: 18.4 Max, 12.4±0.2, 13±0.5, 2±0.5, and 21±0.8. The drawing is labeled "CARRIER TAPE" and "REEL".

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

[PTS530GK055SMTRLFS](#) [PTS530GM055SMTRLFS](#) [PTS530GH055SMTRLFS](#) [PTS530GG065SMTRLFS](#)
[PTS530GN055SMTRLFS](#) [PTS530GS065SMTRLFS](#)