

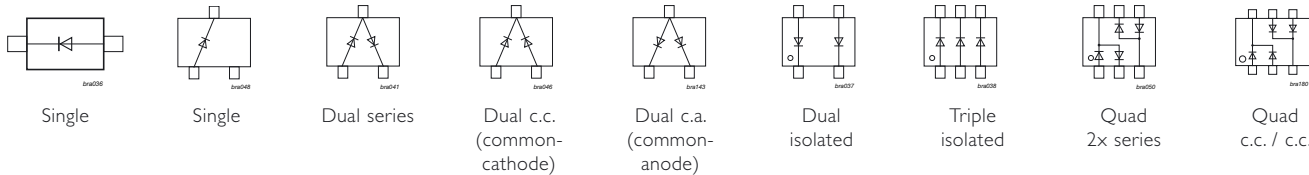
## Schottky barrier diodes portfolio

### General purpose Schottky barrier diodes

V <sub>R</sub> max. (V)	I <sub>F</sub> max. (mA)	V <sub>F</sub> max. (mV) @ I <sub>F</sub> (mA)	C <sub>D</sub> max. (pF) @ V <sub>R</sub> (V)	Package	SOD80C (MiniMelf)	SOD68 (DO-34)	SOT346 (SC-59)	SOT23	SOT143B	SOD123F	SOT323 (SC-70)	SOT363 (SC-88)	SOD323 (SC-76)	SOT666	SOT416 (SC-75)	SOD523 (SC-79)	SOD882 / SOT883				
				Surface mounted glass	Leaded glass	Plastic SMD	Plastic SMD	Plastic SMD	Plastic flat lead SMD	Plastic SMD	Plastic SMD	Plastic SMD	Plastic flat lead SMD	Plastic SMD	Plastic flat lead SMD	Plastic flat lead SMD	Plastic flat lead SMD	Plastic flat lead SMD	Leadless Micro Package		
Size (mm)	3.5 x 1.5 x 1.5	3.04 x 1.6 x 0.55	2.9 x 1.5 x 1.15	2.9 x 1.3 x 1.0	2.9 x 1.3 x 1.0	2.6 x 1.6 x 1.1	2.0 x 1.25 x 0.95	2.0 x 1.25 x 0.95	1.7 x 1.25 x 0.95	1.6 x 1.2 x 0.6	1.6 x 0.8 x 0.75	1.2 x 0.8 x 0.6	1.0 x 0.6 x 0.5								
P <sub>tot</sub> (mW)	300	500	250	250	250	830	250	300	400	300	150	500	250								
Configuration																					
20	1000	350	100	25	5	single												BAT760	BAT960		
30	200	260	1	10	1	single												BAT754			
						dual series												BAT754S			
						dual c.c.												BAT754C			
						dual c.a.												BAT754A			
						triple isolated												BAT754L			
30	200	320	1	10	1	single		BAS85	BAT85	IP559SB10	BAT54	BAT54H *		BAT54W	BAT54L		IP576SB10	IP579SB10	BAT54L		
						dual series				IP559SB14	BAT54S	BAT54SW									
						dual c.c.				IP559SB15	BAT54C	BAT54CW								BAT54CM	
						dual c.a.				IP559SB16	BAT54A	BAT54AW									
						dual isolated						BAT74		BAT74S				BAT74V			
						triple isolated								BAT54VV							
						quad c.c./c.c.								BAT54CV							
40	30	410	1	1.6	1	single		BAS81	BAT81					BAT54XY							
						single				BAS40		BAS40H *		BAS40W		IP576SB40		IP579SB40		BAS40L	
						dual series				BAS40-04		BAS40-04W									
						dual c.c.				BAS40-05		BAS40-05W				BAS40-05V		IP575SB45			
						dual c.a.				BAS40-06		BAS40-06W									
	200	410	100	20	1	single								IP588SB48		BAS40-07V					
						single												IP579SB31		PMEG3002AEL	
						dual series				IP559SB21		BAT721				IP576SB21					
						dual c.c.						BAT721S									
						dual c.a.						BAT721C									
50	200	380	1	8	1	single															
						single		BAS82		BAT82											
						single		BAS86		BAT86											
						single		BAS83		BAT83											
						single				IP559SB20		BAT720				IP570SB20					
70	70	410	1	2	0	single				BAS70		BAS70H *		BAS70W		IP576SB70		IP579SB70		BAS70L	
						dual series				BAS70-04		BAS70-04W									
						dual c.c.				BAS70-05		BAS70-05W									
						dual c.a.				BAS70-06		BAS70-06W									
						dual isolated						BAS70-07				BAS70-07S		BAS70-07V			
triple isolated												BAS70VV									

\* under development

### Configurations



## Medium power Schottky barrier diodes

V <sub>RRM</sub> max. (V)	I <sub>F</sub> max. (mA)	I <sub>FSM</sub> max. (A)	V <sub>F</sub> max. (mV) @ I <sub>F</sub> = 1 A	C <sub>D</sub> max. (pF) @ V <sub>R</sub> = 4 V	Package	SOT223 (SC-73)	SOD87 (Melf)	SOT457 (SC-74)
						Plastic SMD	Surface mounted glass	Plastic SMD
					Size (mm)	6.5 x 3.5 x 1.65	3.5 x 2.05 x 2.05	2.9 x 1.5 x 1.0
					P <sub>tot</sub> (mW)	1500	1000	500
					Configuration			
20		25	450	70 typ.	single		PRLL5817	
					100 typ.	single		IPS745B23
25		10	450	100	dual series	BAT120S		
					dual c.c.	BAT120C		
					dual c.a.	BAT120A		
30		25	550	50 typ.	single		PRLL5818	
					27	single		IPS745B43
40		10	500	80	dual series	BAT140S		
					dual c.c.	BAT140C		
					dual c.a.	BAT140A		
60		25	600	50 typ.	single		PRLL5819	
					dual series	BAT160S		
					dual c.c.	BAT160C		
					dual c.a.	BAT160A		

## Low capacitance Schottky barrier diodes

V <sub>R</sub> max. (V)	I <sub>F</sub> max. (mA)	V <sub>F</sub> max. (mV) @ I <sub>F</sub> (mA)	C <sub>D</sub> max. (pF) @ V <sub>R</sub> = 0 V	Package	SOT23	SOT323 (SC-70)	SOT363 (SC-88)	SOD323 (SC-76)	SOT666	SOD523 (SC-79)	SOD882	
					Plastic SMD	Plastic SMD	Plastic SMD	Plastic SMD	Plastic flat lead SMD	Plastic flat lead SMD	Leadless Micro Package	
				Size (mm)	2.9 x 1.3 x 1.0	2.0 x 1.25 x 0.95	2.0 x 1.25 x 0.95	1.7 x 1.25 x 0.95	1.6 x 1.2 x 0.6	1.2 x 0.8 x 0.6	1.0 x 0.6 x 0.5	
				Configuration								
4	30	450	1	1	single	BAT17		IPS765B17		IPS795B17		
					triple isolated			IPS665B17				
					dual series	PMBD353 PMBD354 *						
5	20	250	1	0.5	single					IPS795B63	IPS105B63	
					triple isolated			IPS665B63				
15	30	340	1	1	single		IPS705B82				IPS105B82	
					triple isolated			IPS885B82		IPS665B82		
					dual series		IPS705B84					
					dual c.c.		IPS705B85					
					dual c.a.	IPS705B86						
40	20	800	2	0.6	single			IPS765B62		IPS795B62	IPS105B62	
					triple isolated			IPS665B62				

\* diodes have matched capacitance

## Low capacitance Schottky barrier diodes

- Low forward voltage drop
- Ultra low capacitance
- Radio frequency applications  
e.g. mixer or detectors



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