

## BM24C512B-S-R-G/BM24C512E-S-R-G Difference

Typ.No.	BM24C512B-S-R-G	BM24C512E-S-R-G
P/N Marking		
Dimension	same	
Referential Land Pattern	same	
Inner Structure	same	
External Plating	same	
Resin	same	
Packaging	4000pcs/reel	2500pcs/reel

DC Electrical Characteristic	BM24C512B-S-R-G	BM24C512E-S-R-G
Supply Current $I_{CC1}$	0.14 mA (Typ)/0.3 mA (Max) ( $V_{CC}=5V$ READ at 400kHz)	0.5 mA (Max) ( $V_{CC}=5.5V$ READ at 400kHz)
Supply Current $I_{CC2}$	0.28 mA (Typ)/0.5 mA (Max) ( $V_{CC}=5V$ WRITE at 400kHz)	2.5mA (Max) ( $V_{CC}=5.5V$ WRITE at 400kHz)
Standby Current $I_{SB}$	0.03 $\mu A$ (Typ) /0.5 $\mu A$ (Max) ( $V_{CC}=5.0V$ $V_{in}=V_{CC}$ or GND)	3.0 $\mu A$ ( $V_{CC} = 5.5V$ $T_A=85^{\circ}C$ ) 6.0 $\mu A$ ( $V_{CC} = 5.5V$ $T_A=105^{\circ}C$ ) 10.0 $\mu A$ ( $V_{CC} = 5.5V$ $T_A=125^{\circ}C$ )
Input High Level $V_{IH}$	0.7 $V_{CC}$ V(Min) $V_{CC} + 0.3$ V(Max)	0.7 $V_{CC}$ V(Min) $V_{CC} + 0.5$ V(Max)
Input Low Level $V_{IL}$	-0.3 V(Min) 0.3 $V_{CC}$ V(Min)	-0.6 V(Min) 0.3 $V_{CC}$ V(Min)
Operating Temperature	-40~105 $^{\circ}C$	-40~125 $^{\circ}C$