# PRODUCT SPECIFICATION

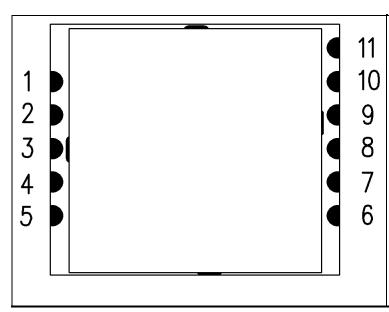
				Date: 20	009/09/15	V1.0		
MO	DE: TX5823							
	5.8G 200mW 8 Channel AV	Transmitte	r Module	2				
	Modulate	Wideband FM Modulate						
	Video Format	NTSC/PAL						
	Characteristics		Value	Units				
	Citatacteristics	Min.	Тур.	Max.				
1	Output Impedance		50		Ohm			
2	Output Power	22	23	24	dBm			
3	Transmitter Frequency	5705		5945	MHz			
4	Operating Voltage	3.2	3.3	3.4	V			
5	Supply current		320	340	mA			
6	Operating Temperature	-10		+85	$^{\circ}$ C			
7	Video Band Width	0		8.0	MHz			
8	Audio carrier Frequency		6.5		MHz			
9	Video Input Level	0.8	1.0	1.2	Vp-p			
10	Video Input Impedance		75		Ohm			
11	Audio Input Level	0.5		2.0	Vp-p			
12	Audio Input Impedance		10K		Ohm			
13	Weight		10		g			
14	Dimensions (L x W x H)							

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Weight

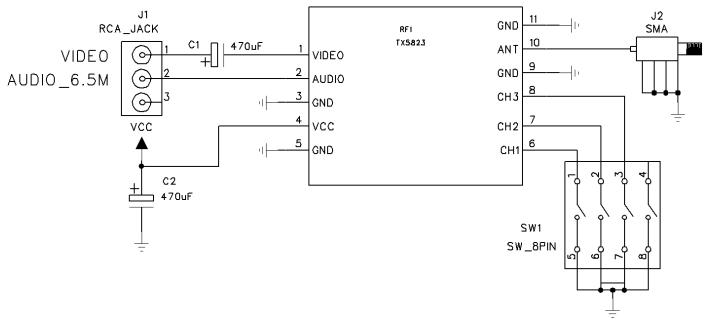
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## Pin descriptions



PIN	NAME	I/O	FUNCTION		
1	VIDEO_I N	0	Video input		
2	AUDIO_ RO	0	Audio input 6.5M		
3	GND	I	Power ground		
4	VCC	I	3.3V power DC in		
5	GND	I	Power ground		
6	CH1	I	Channel 1 selection		
7	CH2	I	Channel 2 selection		
8	CH3	I	Channel 3 selection		
9	GND		Power ground		
10	ANT	I	Antenna output: 50 Ohm		
11	GND		Antenna ground		

### **Application diagram**



#### **Channel selection**

Channel number		CH1	CH2	СНЗ	CH4	CH5	СН6	CH7	CH8
RX frequency(MHz)		5705	5685	5665	5645	5885	5905	5925	5945
	CH1	0	1	0	1	0	1	0	1
Pin level	CH2	0	0	1	1	0	0	1	1
	СНЗ	0	0	0	0	1	1	1	1

# dimensions

